



2005 Water Year
LEHIGH RIVER BASIN
01447720 Tobyhanna Creek near Blakeslee, PA

Latitude: 41° 05 ' 05"

Longitude: 075° 36 ' 21"

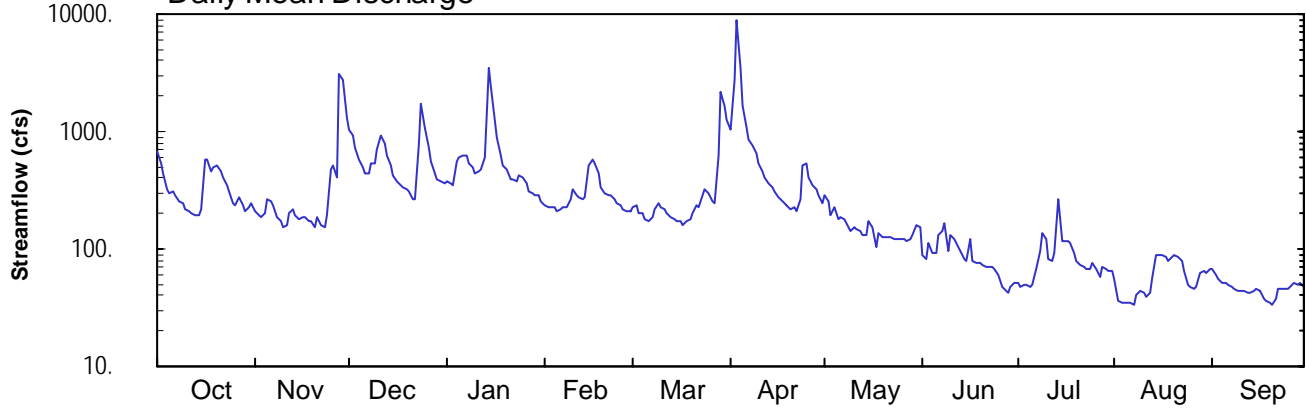
Hydrologic Unit Code: 02040106

Carbon County

Datum: 1511.23 feet

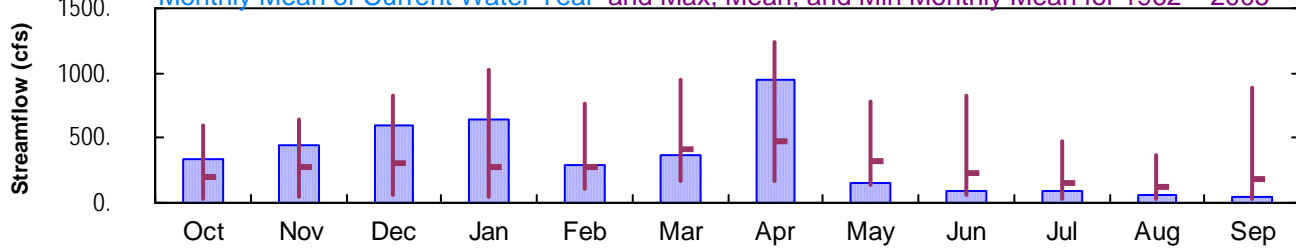
Drainage Area: 118. mi²

Daily Mean Discharge

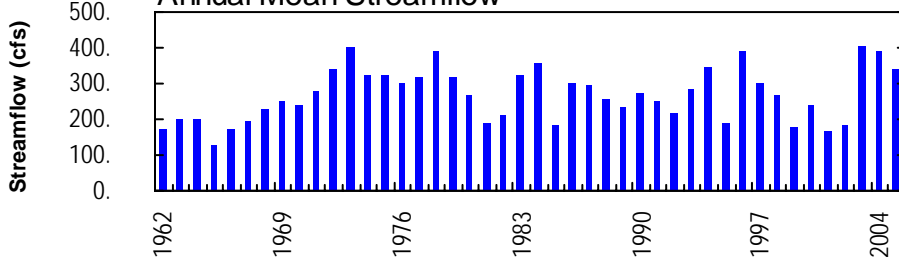


Monthly Statistics

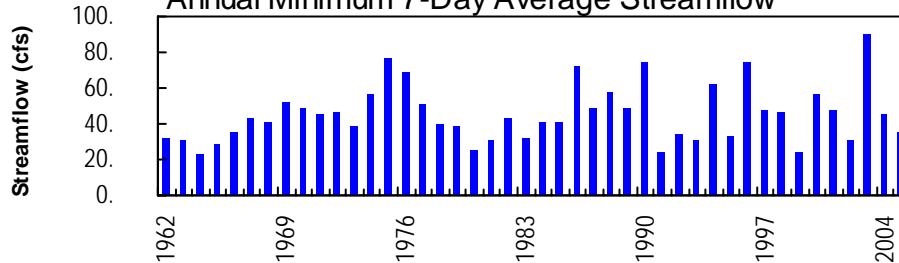
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1962 – 2005



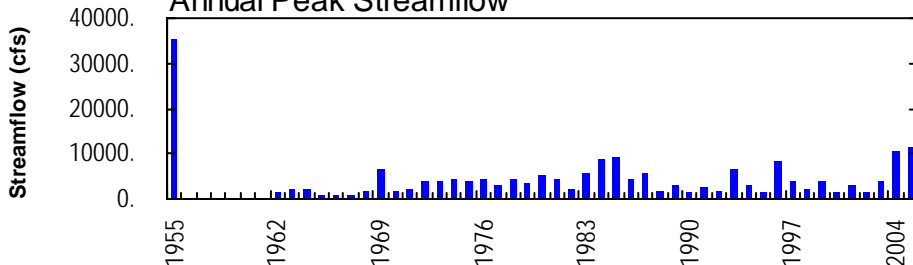
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow

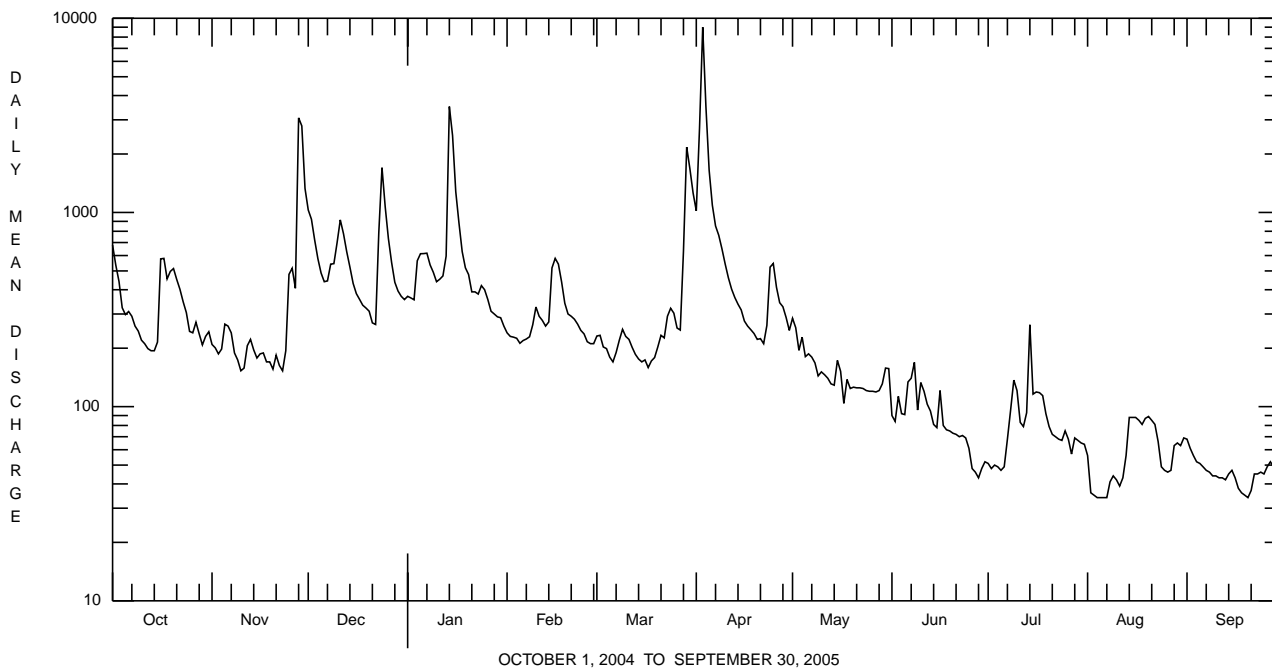


LEHIGH RIVER BASIN

01447720 TOBYHANNA CREEK NEAR BLAKESLEE, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1962 - 2005	
ANNUAL TOTAL	132045		123249			
ANNUAL MEAN	361		338		268	
HIGHEST ANNUAL MEAN					406	2003
LOWEST ANNUAL MEAN					129	1965
HIGHEST DAILY MEAN	7740	Sep 18	9000	Apr 3	9000	Apr 3 2005
LOWEST DAILY MEAN	43	Jul 11	34	Aug 4-7 ^a	21	Aug 12 1999 ^b
ANNUAL SEVEN-DAY MINIMUM	45	Jul 5	35	Aug 2	23	Sep 21 1964
MAXIMUM PEAK FLOW			c11500	Apr 3	c11500	Apr 3 2005
MAXIMUM PEAK STAGE			13.27	Apr 3	13.27	Apr 3 2005
INSTANTANEOUS LOW FLOW					16	Aug 8 1991
ANNUAL RUNOFF (CFSM)	3.06		2.86		2.27	
ANNUAL RUNOFF (INCHES)	41.63		38.85		30.87	
10 PERCENT EXCEEDS	646		603		535	
50 PERCENT EXCEEDS	240		203		180	
90 PERCENT EXCEEDS	126		48		58	

- a Also Sept. 20.
- b Also Sept. 3, 4, 1999.
- c From rating curve extended above 9,300 ft³/s.



LEHIGH RIVER BASIN

01447720 TOBYHANNA CREEK NEAR BLAKESLEE, PA--Continued
(Pennsylvania Water-Quality Network Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1930 to 1982, 2002 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Water year 1980 to September 30, 2004.

REMARKS.--Some values for "dissolved" parameters exceed values for the corresponding "total" parameter. These results are within the limits of analytical precision and methods.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unfltrd lab, µS/cm 25 degC (90095)	Specif. conductance, wat unfltrd lab, µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, unfltrd, mg/L (00915)	Calcium water unfltrd recoverable, mg/L (00916)
NOV 2004 17...	1330	1028	9813	134	12.9	6.6	6.4	71	62	4.8	14	3.9	3.8
JAN 2005 04...	1530	1028	9813	605	--	5.8	6.5	67	61	3.6	13	4.0	3.7
MAR 16...	1200	1028	9813	182	13.8	6.6	6.6	109	104	2.7	17	4.8	4.7
MAY 10...	1100	1028	9813	137	10.5	6.8	6.8	81	81	14.1	14	3.7	3.7
JUL 25...	1650	1028	9813	71	8.4	6.5	6.8	94	87	24.8	19	5.3	5.3
SEP 19...	1000	1028	9813	35	9.1	6.3	7.2	100	98	16.3	21	6.2	5.8

Date	Magnesium, water, unfltrd, mg/L (00925)	Magnesium, water, recoverable, mg/L (00927)	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (00417)	Sulfate water, unfltrd, mg/L (00945)	Residue on evap. at 105 degC, wat fltrd, mg/L (00515)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia water, unfltrd, mg/L as N (00610)	Nitrate water, unfltrd, mg/L as N (00620)	Nitrite water, unfltrd, mg/L as N (00615)	Total nitrogen, water, unfltrd, mg/L (00600)	Orthophosphate, water, unfltrd, mg/L as P (70507)	Phosphorus, water, unfltrd, mg/L (00665)	BOD, water, unfltrd 5 day, 20 degC, mg/L (00310)
NOV 2004 17...	1.0	1.0	6	3.9	--	<2	<.020	.21	<.040	.40	<.01	.01	.6
JAN 2005 04...	.98	.91	6	4.7	48	<2	<.020	.23	<.040	.48	<.01	.01	1.3
MAR 16...	1.2	1.2	5	4.8	82	<2	.030	.31	<.040	.48	<.01	<.01	.8
MAY 10...	1.1	1.1	5	4.0	88	<2	<.020	.13	<.040	.54	<.01	.02	.2
JUL 25...	1.4	1.3	10	4.5	62	<2	.020	.14	<.040	.37	<.01	.02	.5
SEP 19...	1.8	1.6	10	4.4	130	2	<.020	.16	<.040	.28	<.01	.01	.3

LEHIGH RIVER BASIN

01447720 TOBYHANNA CREEK NEAR BLAKESLEE, PA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Alum- inum, water, unfltrd fltrd, µg/L (01106)	Alum- inum, water, unfltrd recover- able, µg/L (01105)	Copper, water, unfltrd fltrd, µg/L (01040)	Copper, water, unfltrd recover- able, µg/L (01042)	Iron, water, unfltrd fltrd, µg/L (01046)	Iron, water, unfltrd recover- able, µg/L (01045)	Lead, water, unfltrd fltrd, µg/L (01049)	Lead, water, unfltrd recover- able, µg/L (01051)	Mangan- ese, water, unfltrd fltrd, µg/L (01056)	Mangan- ese, water, unfltrd recover- able, µg/L (01055)	Nickel, water, unfltrd fltrd, µg/L (01065)	Nickel, water, unfltrd recover- able, µg/L (01067)	Zinc, water, unfltrd fltrd, µg/L (01090)
NOV 2004 17...	70	90	<4	<4	160	240	<1.0	<1.0	20	30	<4.0	<4.0	12
JAN 2005 04...	120	170	<4	<4	120	200	<1.0	<1.0	40	50	<4.0	<4.0	22
MAR 16...	50	100	<4	<4	60	110	<1.0	<1.0	30	40	<4.0	<4.0	12
MAY 10...	50	80	<4	<4	60	140	<1.0	<1.0	20	30	<4.0	<4.0	6.9
JUL 25...	30	60	<4	<4	100	270	<1.0	<1.0	20	60	<4.0	<4.0	<5.0
SEP 19...	20	30	<4	<4	40	190	<1.0	<1.0	10	30	<4.0	<4.0	39

Date	Zinc, water, unfltrd recover- able, µg/L (01092)
NOV 2004 17...	9.2
JAN 2005 04...	24
MAR 16...	17
MAY 10...	7.4
JUL 25...	<5.0
SEP 19...	29

LEHIGH RIVER BASIN

01447720 TOBYHANNA CREEK NEAR BLAKESLEE, PA--Continued

BIOLOGICAL DATA
BENTHIC MACROINVERTEBRATES

REMARKS.--Samples were collected using a D-Frame net with a mesh size of 500 μ m. Samples represent counts per 100 animal (approximate) subsamples.

Date	08/25/04
Benthic macroinvertebrate	Count
Platyhelminthes	
Turbellaria (FLATWORMS)	
Tricladida	
Planariidae	1
Nemertea (PROBOSCIS WORMS)	
Enopla	
Hoploneuridae	
Tetrastemmatidae	
<i>Prostoma</i>	3
Mollusca	
Bivalvia (CLAMS)	
Veneroida	
Sphaeriidae	
<i>Sphaerium</i>	5
Annelida	
Oligochaeta (AQUATIC EARTHWORMS)	
Lumbriculida	
Lumbriculidae	5
Polychaeta	
Sabellida	
Sabellidae	
<i>Manayunkia speciosa</i>	1
Insecta	
Ephemeroptera (MAYFLIES)	
Baetidae	
<i>Acentrella</i>	8
<i>Baetis</i>	8
Ephemerellidae	
<i>Attenella</i>	2
<i>Dannella</i>	4
Heptageniidae	
<i>Epeorus</i>	2
<i>Stenonema</i>	17
Isonychiidae	
<i>Isonychia</i>	2
Leptophlebiidae	
<i>Paraleptophlebia</i>	8
Plecoptera (STONEFLIES)	
Perlidae	
<i>Acroneuria</i>	3
Trichoptera (CADDISFLIES)	
Hydropsychidae	
<i>Cheumatopsyche</i>	9
<i>Hydropsyche</i>	8
Philopotamidae	
<i>Chimarra</i>	4
Coleoptera (BEETLES)	
Elmidae (RIFFLE BEETLES)	
<i>Oulimnius</i>	7
<i>Stenelmis</i>	8
Psephenidae (WATER PENNIES)	
<i>Psephenus</i>	3

LEHIGH RIVER BASIN

01447720 TOBYHANNA CREEK NEAR BLAKESLEE, PA--Continued

BIOLOGICAL DATA
BENTHIC MACROINVERTEBRATES--Continued

Date	08/25/04
Benthic macroinvertebrate	Count
Diptera (TRUE FLIES)	
Chironomidae (MIDGES)	27
Simuliidae (BLACK FLIES)	
<i>Simulium</i>	1
Tipulidae (CRANE FLIES)	
<i>Antocha</i>	1
<i>Dicranota</i>	1
Total Organisms	138
Total Taxa	24